



Haratsch 1-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant(s): Haratsch et al.  
Case: 1-4  
Serial No.: 09/326,785  
Filing Date: June 4, 1999  
Group: 2631  
Examiner: Pankaj Kumar

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

Signature: Vine Manna Date: April 10, 2003

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Title: Method and Apparatus for Reducing the Computational Complexity and Relaxing the Critical Path of Reduced State Sequence Estimation (RSSE) Techniques

TRANSMITTAL LETTER

Assistant Commissioner of Patents  
Washington, D.C. 20231

SIR:

Submitted herewith is the following document relating to the above-identified patent application:

- (1) Notice of Appeal; and
- (2) Statement Under 37 CFR 3.73(b).

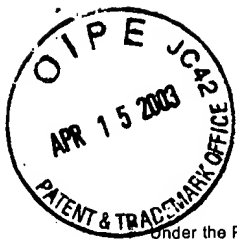
There is an additional fee of \$320 due in conjunction with this submission under 37 CFR §1.17(b). Enclosed please find a check in the amount of \$320 to cover the submission under CFR §1.17(b). In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to or to credit **Deposit Account No. 50-0762** as required to correct the error. A duplicate copy of this letter and a duplicate copy of the Notice of Appeal are enclosed.

Respectfully submitted,

Kevin M. Mason

Date: April 10, 2003

Kevin M. Mason  
Attorney for Applicants  
Reg. No. 36,597  
Ryan, Mason & Lewis, LLP  
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Handwritten notes and stamps in the top right corner, including a large 'X' and the date '4/12/03'.

PTO/SB/31 (02-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>NOTICE OF APPEAL FROM THE EXAMINER TO THE BOARD OF PATENT APPEALS AND INTERFERENCES</b>	Docket Number (Optional)
	Haratsch 1-4

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Assistant Commissioner for Patents, Washington D.C. 20231" on April 10, 2003.  Signature <u>Tina Maurice</u> Typed or printed name <u>Tina Maurice</u>	In re Application of <u>Haratsch et al.</u>	
	Application Number <u>09/326,785</u>	Filed <u>June 4, 1999</u>
	For <u>Method and Apparatus for Reducing the Computational Complexity and Relaxing the Critical Path of Reduced State Sequence Estimation (RSSE) Techniques</u>	
	Group Art Unit <u>2631</u>	Examiner <u>Pankaj Kumar</u>

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Applicant hereby **appeals** to the Board of Patent Appeals and Interferences from the last decision of the examiner.

The fee for this Notice of Appeal is (37 CFR 1.17(b)) \$ 320.00

- ☐ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee shown above is reduced by half, and the resulting fee is: \$\_\_\_\_\_.
- ☐ A check in the amount of the fee is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Commissioner has already been authorized to charge fees in this application to a Deposit Account. I have enclosed a duplicate copy of this sheet.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 50-0762. I have enclosed a duplicate copy of this sheet.
- ☐ A petition for an extension of time under 37 CFR 1.136(a) (PTO/SB/22) is enclosed.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

I am the

- ☐ applicant/inventor.
- ☐ assignee of record of the entire interest.  
See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)
- ☒ attorney or agent of record.
- ☐ attorney or agent acting under 37 CFR 1.34(a).  
Registration number if acting under 37 CFR 1.34(a) \_\_\_\_\_

Kevin M. Mason  
Signature

Kevin M. Mason  
Typed or printed name

April 10, 2003  
Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Agere Systems Inc.

Application No./Patent No.: 09/326,785 Filed/Issue Date: June 4, 1998

Entitled: Method and Apparatus for Reducing the Computational Complexity and Relaxing the Critical Path of Reduced State Sequence Estimation (RSSE) Techniques

Agere Systems Inc., a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

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states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventor(s) To: Lucent Technologies Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 011034, Frame 0317, or for which a copy thereof is attached.
2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: Agere Systems Guardian Corp. To: Agere Systems Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

April 10, 2003  
Date

Kevin M. Mason, Reg. No. 36,597  
Typed or printed name

Kevin M. Mason  
Signature

Attorney for Applicant(s)  
Title